

ABSTRACT

A communication system is adapted to accommodate changes in bandwidth demand through the use of modular components. According to a preferred embodiment a plurality of communication interface modules, such as radio modules, are coupled to a communication signal processor, such as a multi-port modem, in order to serve an initial bandwidth demand. Thereafter, additional communication signal processors may be added, being coupled to one or more of the communication interface modules decoupled from the initially deployed communication signal processor, to serve an increased bandwidth demand. Preferably, an expansion chassis architecture is used to accommodate a number of communication signal processors at least equivalent to the number of communication information interfaces of the plurality. In preferred embodiments, the communication interface modules operate upon different channels, such as radio frequency channels, although coupling to the communication signal processor upon a same channel, such as a common intermediate frequency channel.